

**What is claimed is:**

1. A colour management user interface controller for use in a colour management system for assisting users to manage colour settings of multiple colour entities, the user interface controller comprising:
  - a representation controller for presenting representation of each colour entity; and
  - a relation indicator controller for presenting one or more relation indicators indicating colour relation between the colour entities represented by the representations.
2. The user interface controller as claimed in claim 1, wherein the relation indicator controller has a function to allow the user to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.
3. The user interface controller as claimed in claim 2, wherein the relation indicator controller has a function to change the appearance of a relation indicator when the relation indicator is selected by the user.
4. The user interface controller as claimed in claim 2, wherein the relation indicator controller presents the relation indicators as arrow buttons, each arrow button representing a direction of use of colour settings of a corresponding colour entity.
5. The user interface controller as claimed in claim 2, wherein the relation indicator controller presents colour relation indicators which are available for user's selection.
6. The user interface controller as claimed in claim 2, wherein the relation indicator controller has a function to generate, in accordance with the selected

relation indicator, colour matching data indicating a colour entity whose colour settings is used for colour matching.

7. The user interface controller as claimed in claim 1, wherein the representation controller has a function to associate the representation of each colour entity with a colour profile of the colour entity.

8. The user interface controller as claimed in claim 7, wherein the colour management system has a colour profile storage storing colour profiles of the colour entities, and the representation controller has a function to obtain the colour profile of each colour entity from the colour profile storage.

9. The user interface controller as claimed in claim 7, wherein the representation controller has a function to present the colour profile of the colour entities.

10. The user interface controller as claimed in claim 9, wherein the representation controller presents the representation of a colour entity in multi levels such that standard settings are presented in a main level and detailed settings are presented in a secondary level.

11. A colour management system for assisting users to manage colour settings of multiple colour entities, the colour management system comprising:  
a user interface controller for presenting colour relation between the multiple colour entities in accordance with colour relation setting input by a user;  
and

a colour settings manager for controlling colour settings of the colour entities in accordance with the colour relation setting input by the user.

12. The colour management system as claimed in claim 11, wherein the user interface controller comprises:

a representation controller for presenting representation of the colour entities; and

a relation indicator controller for presenting one or more relation indicators indicating the colour relation between the colour entities represented by the representation.

13. A method for assisting colour management of multiple colour entities, the method comprising steps of:

presenting representation of each colour entity; and

presenting one or more relation indicators indicating colour relation between the colour entities represented by the representations.

14. The method as claimed in claim 13 further comprising a step of:  
receiving user input to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

15. The method as claimed in claim 14 further comprising a step of:  
changing the appearance of a relation indicator when the relation indicator is selected by the user.

16. The method as claimed in claim 13, wherein the step of presenting one or more relation indicators comprising a step of presenting the relation indicators as arrow buttons to represent directions of use of colour settings of the colour entities.

17. The method as claimed in claim 13, wherein the step of presenting one or more relation indicators comprising a step of presenting colour relation indicators which are available for user's selection.

18. The method as claimed in claim 13, wherein the step of presenting one or more relation indicators comprising steps of:

generating, in accordance with the selected relation indicator, colour matching data indicating a colour entity whose colour settings is used for colour matching; and

sending the colour matching data to a colour settings manager for changing the colour settings for colour matching of a relevant colour entity based on the colour settings indicated in the colour matching data.

19. The method as claimed in claim 13 further comprising steps of:  
associating the representation of each colour entity with a colour profile of the colour entity; and

presenting the colour profile to allow access thereto by the user.

20. The method as claimed in claim 19, wherein the associating step comprising a step of using a colour profile storage to obtain colour profiles of the colour entities.

21. The method as claimed in claim 19, wherein the step of presenting the colour profiles comprising a step of presenting the colour profile as a secondary level which is accessible from a main level where standard settings are presented.

22. A computer program product for use in a colour management system for assisting colour management of multiple colour entities, the computer program product comprising:

a module for presenting representation of each colour entity; and

a module for presenting one or more relation indicators indicating colour relation between the colour entities represented by the representations.

23. The computer program product as claimed in claim 22 further comprising:  
a module for allowing a user to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

24. The computer program product as claimed in claim 23 further comprising:  
a module for changing the appearance of a relation indicator when the relation indicator is selected by the user.
25. The computer program product as claimed in claim 22 further comprising:  
a module for associating the representation of each colour entity with a colour profile of the colour entity; and  
a module for presenting the colour profile to allow access thereto by the user.
26. The computer program product as claimed in claim 25, wherein the module for presenting the colour profiles comprising a module for presenting the colour profile as a secondary level which is accessible from a main level where standard settings are presented.
27. A computer readable memory element storing the instructions or statements for use in the execution in a computer of a method for assisting colour management of multiple colour entities, the method comprising steps of:  
presenting representation of each colour entity; and  
presenting one or more relation indicators indicating colour relation between the colour entities represented by the representations.
28. The computer readable memory element as claimed in claim 27, wherein the method further comprises a step of:  
receiving user input to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.
29. The computer readable memory element as claimed in claim 28, wherein the method further comprises a step of:  
changing the appearance of a relation indicator when the relation indicator is selected by the user.

associating the representation of each colour entity with a colour profile of the colour entity; and

31. The computer readable memory element as claimed in claim 30, wherein the step of presenting the colour profiles comprising a step of presenting the colour profile as a secondary level which is accessible from a main level where standard settings are presented.

presenting representation of each colour entity; and

between the colour entities represented by the representations.

receiving user input to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

changing the appearance of a relation indicator when the relation indicator is selected by the user.

35. The signals as claimed in claim 32, wherein the method further comprises steps of:

associating the representation of each colour entity with a colour profile of the colour entity; and

presenting the colour profile to allow access thereto by the user.

36. The signals as claimed in claim 35, wherein the step of presenting the colour profiles comprising a step of presenting the colour profile as a secondary level which is accessible from a main level where standard settings are presented.

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